

**The Enforcement Division**

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***Aggregate, Hot Mix Asphalt, and  
Concrete Batching Operations***  
**Course #246**

This two-day course is aimed at new, entry-level as well as semi-experienced stationary source permit engineers, inspectors, regulatory agency staff, and environmental specialists in business and government. This course will provide an overview and discussion of the processes commonly seen at sand and gravel operations, concrete batching operations, and hot mix asphalt (HMA) operations. Processes such as quarrying, sizing of quarried material, sorting, stockpiling, and transfer of aggregate products will be discussed in the aggregate section of this class. Concrete batching issues such as dust abatement and the flow of aggregate and cement materials will also be discussed. Hot mix asphalt operations also have many similar processes, and we will discuss the similarities with aggregate and concrete batching operations, including aggregate handling, storage, transfer, processing, and more. Additionally, we will also explore some of the issues that are particular to HMA facilities such as “blue smoke” controls which can include baghouse filters and capture/ incineration of blue smoke mist. Combustion controls such as low-NOx burners will also be discussed as they pertain to HMA and aggregate operations.



This course includes a field trip to a local aggregate/concrete/HMA facility to observe the process in-person, and affords an opportunity for students to interact with facility operators. **Personal Protective Equipment including hard hat, safety glasses, closed toed shoes (preferably safety toed), and safety vests will be required.**

***April 14-15, 2010***

**8:30 AM - 5:00 PM**

**California Air Resources Board (CARB)  
1001 I Street, 5<sup>th</sup> Floor, Training Room 5  
Sacramento, CA 95814**

**REGISTER ONLINE:** <http://www.arb.ca.gov/training/registration/registration.php>

**Course Web Page:** <http://www.arb.ca.gov/training/courses.htm>

**Registration Information:** Registrar (916) 322-3937 [arbtrain@arb.ca.gov](mailto:arbtrain@arb.ca.gov)